

We claim:

1. A photocurable dental coating material for color correction of dental restorations or teeth comprising
 - (A) a matrix resin,
 - (B) a filler mixture,
 - (C) one or more polymerization initiator(s), and
 - (D) trace quantities of one or more dental pigments
 which has an average dynamic viscosity as measured on a plate-plate system at a shear rate of 10 sec^{-1} of from 1.0×10^4 to 4×10^4 [mPas] and of 10×10^4 to 160×10^4 [mPas] at a shear rate of 0.1 sec^{-1} , measured 40 sec after shear rate reduction.
2. A photocurable dental coating material, comprising
 - (A) 40 - 60% by mass of matrix resin:
 - (B) 60 - 40% by mass of a filler mixture
 - (C) 0.1 - 1% by mass of one or more polymerization initiator(s)
 - (D) trace quantities of one or more dental pigments.
3. Material according to claim 1 or 2 wherein the filler mixture (B) comprises fillers selected from the group consisting of silicon dioxide, dental glass, further metal- and non-metal oxides or their mixed oxides, and surface treated silicon dioxide splinter polymer.
4. Material according to claim 3 wherein the filler mixture (B) comprises 40 or more wt.% of surface treated silicon dioxide and 60 or less wt.% of surface treated silicon dioxide splinter polymer.
5. Material according to claim 3, wherein the splinter polymer is surface treated silicon dioxide/ polydodecane diol dimethacrylate.
6. Material according to claim 4, wherein the splinter polymer is surface treated silicon dioxide/ polydodecane diol dimethacrylate.
7. Material according to claim 1 or 2 wherein the fillers of the filler mixture are completely or partly surface treated.

8. Material according to claim 1 or 2 wherein the matrix resin (A) is a mixture of bisphenol A diglycidil acrylate, urethane dimethacrylate and triethylene glycol dimeth-acrylate.
9. Material according to claim 2 comprising matrix resin (A) in an amount of about 50% by mass, filler mixture (B) in an amount of about 49% by mass and initiator (C) in an amount of about 1% by mass.
10. Material according to claim 2 wherein the initiator is camphorquinone.
11. Material according claim 2, comprising about 20% by mass bisphenol A diglycidil acrylate, about 10% by mass urethane dimethacrylate; about 20% by mass triethylene glycol dimethacrylate, about 20% by mass silicon dioxide; about 20% by mass silicon dioxide/polydodecanediol dimethacrylate and about 0.6% by mass initiator.
12. A method of adjusting the color of a dental restorative part by applying a coating material to the surface of the part and curing the layer, wherein said coating material is a coating material of claim 1 or 2.